

V&V Reference Report

L2 ASCDS Version : 8.1.2

Observation 62716 - L2 Version 5

Chandra X-Ray Center

L2 Processing Date : Mar 31 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Star Slots	6
2.4	FID Slots	6
A	Summary	7
A.1	Status	7
A.2	Comments	7

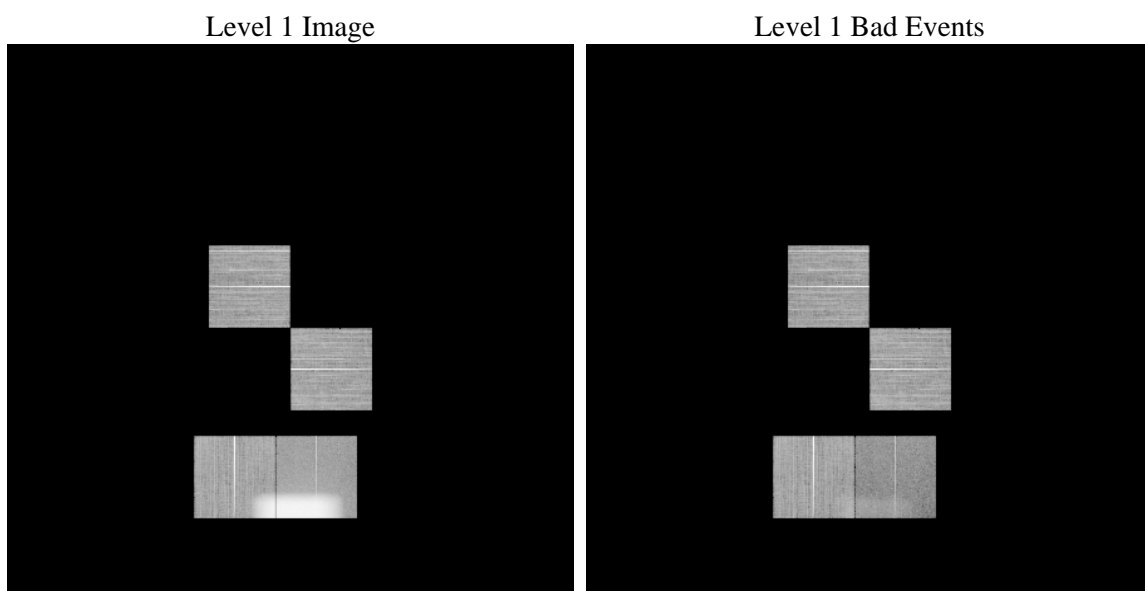
1 Front

seq_num	0	Sequence number
obs_id	62716	Observation id
title	ACIS internal cal	Proposal title
observer	CHANDRA orbital activation and checkout	Principal investigator
object	 	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA
dec_targ	0.0	Observer's specified target Dec
ra_nom	223.74475025932	Nominal RA
dec_nom	-8.9532062586929	Nominal Dec
roll_nom	253.40377774579	Nominal Roll
revision	5	Processing version of data
ontime	10000.863263182	Sum of GTIs [s]
livetime	9878.0166560417	Livetime [s]
ontime0	10000.822223179	Sum of GTIs [s]
ontime1	10000.781183183	Sum of GTIs [s]
ontime2	10000.74014318	Sum of GTIs [s]
ontime3	10000.699103184	Sum of GTIs [s]
ontime6	10000.658063181	Sum of GTIs [s]
ontime7	10000.863263182	Sum of GTIs [s]
l2events	721965	Number of level 2 events

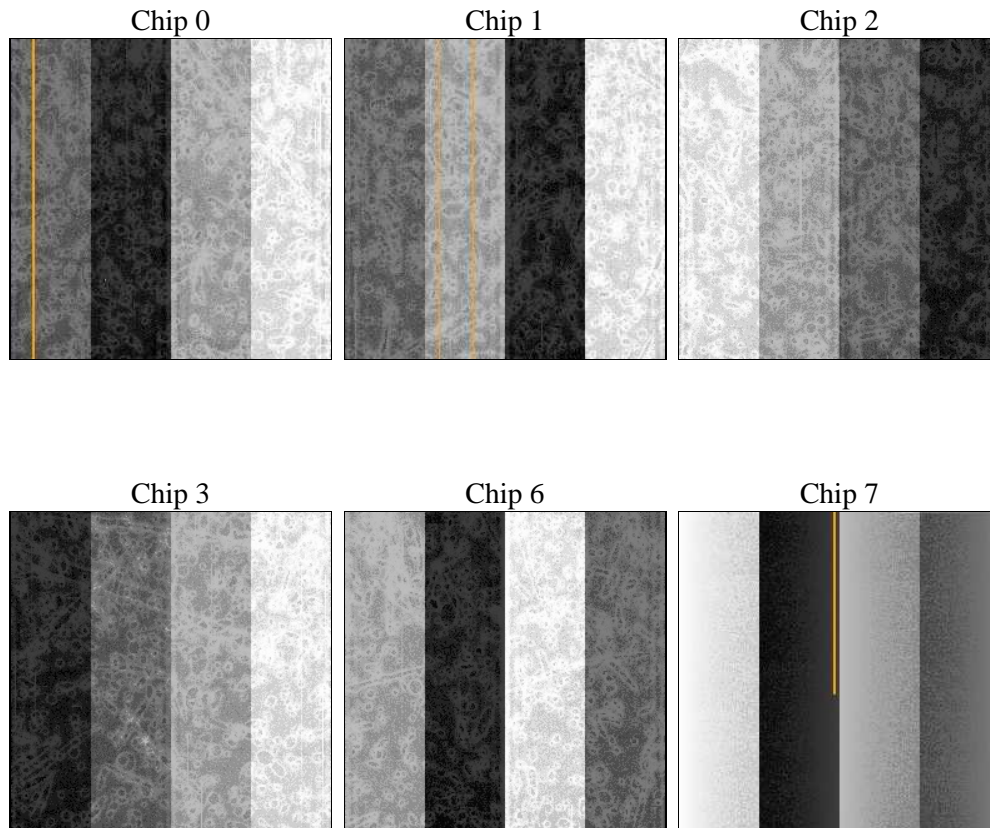
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number
ascdsver	8.2.1	ASCDS version number
caldsver	4.1.5	
date	2010-03-31T19:59:47	Date and time of file creation
revision	4	Processing version of data

sched_exp_time	0.0	Scheduled observation exposure time
ontime	10000.863263182	Sum of GTIs [s]
ontime0	10000.822223179	Sum of GTIs [s]
ontime1	10000.781183183	Sum of GTIs [s]
ontime2	10000.74014318	Sum of GTIs [s]
ontime3	10000.699103184	Sum of GTIs [s]
ontime6	10000.658063181	Sum of GTIs [s]
ontime7	10000.863263182	Sum of GTIs [s]
l1events	1583748	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	253348	0	0	257095	370743	702562
rejected events	243021	0	0	247630	248136	115445
rejected %	95%	0%	0%	96%	66%	16%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	4607	0	0	4277	53792	126937
	1%	0%	0%	1%	14%	18%
grade 1 events	54	0	0	38	385	588
	0%	0%	0%	0%	0%	0%
grade 2 events	2151	0	0	1753	23181	139630
	0%	0%	0%	0%	6%	19%
grade 3 events	1009	0	0	925	8897	50001
	0%	0%	0%	0%	2%	7%
grade 4 events	998	0	0	1017	8915	49898
	0%	0%	0%	0%	2%	7%
grade 5 events	2668	0	0	2609	3643	11386
	1%	0%	0%	1%	0%	1%
grade 6 events	1653	0	0	1575	28855	225509
	0%	0%	0%	0%	7%	32%
grade 7 events	240208	0	0	244901	243075	98613
	94%	0%	0%	95%	65%	14%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
Pointing RA	0	223.7447502593195	Alternating exposures requested	N	N
Pointing Dec	0	-8.953206258692905	Primary exposure time	3.3	3.3
Pointing Roll	0.0	253.4037777457885			
SIM focus pos (mm)	0.255451383487682	0.255451383487682			
SIM defocus (mm)	1.037799581826115	1.037799581826115			
SIM translation stage pos (mm)	-190.1325231039672	-190.1325231039672			
SIM translation stage offset (mm)	-43.45993998746459	-43.45993998746459			
Observation start time	50428900	50428900			
Observation start date	1999-08-07T16:01:40	1999-08-07T16:01:39			
Observation end time	50440445.878	50440445.878			
Observation end date	1999-08-07T19:14:06	1999-08-07T19:14:05			
Read mode	TIMED	TIMED			

2.3 Star Slots

2.4 FID Slots

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.000863263182

A.2 Comments

This ACIS internal calibration observation was acquired before the ACIS door was open. A reflection of the door is visible in the image.

==

Chips 1 and 2 were not telemetered.

==

Focal plane temperature is warmer than -118.7 C degrees during this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation.